

FIG. 3

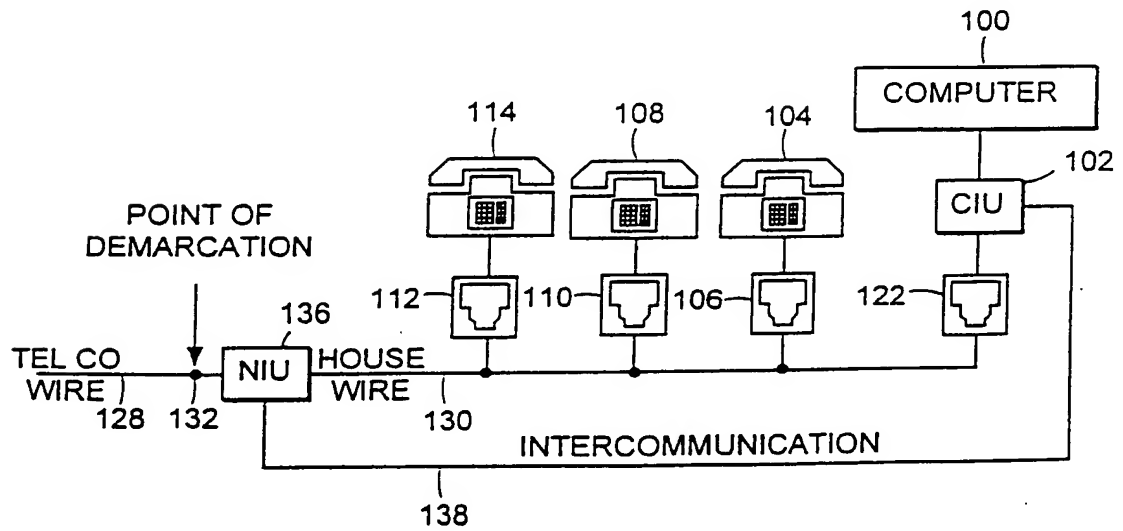


FIG. 4



**FIG. 5A**

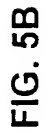
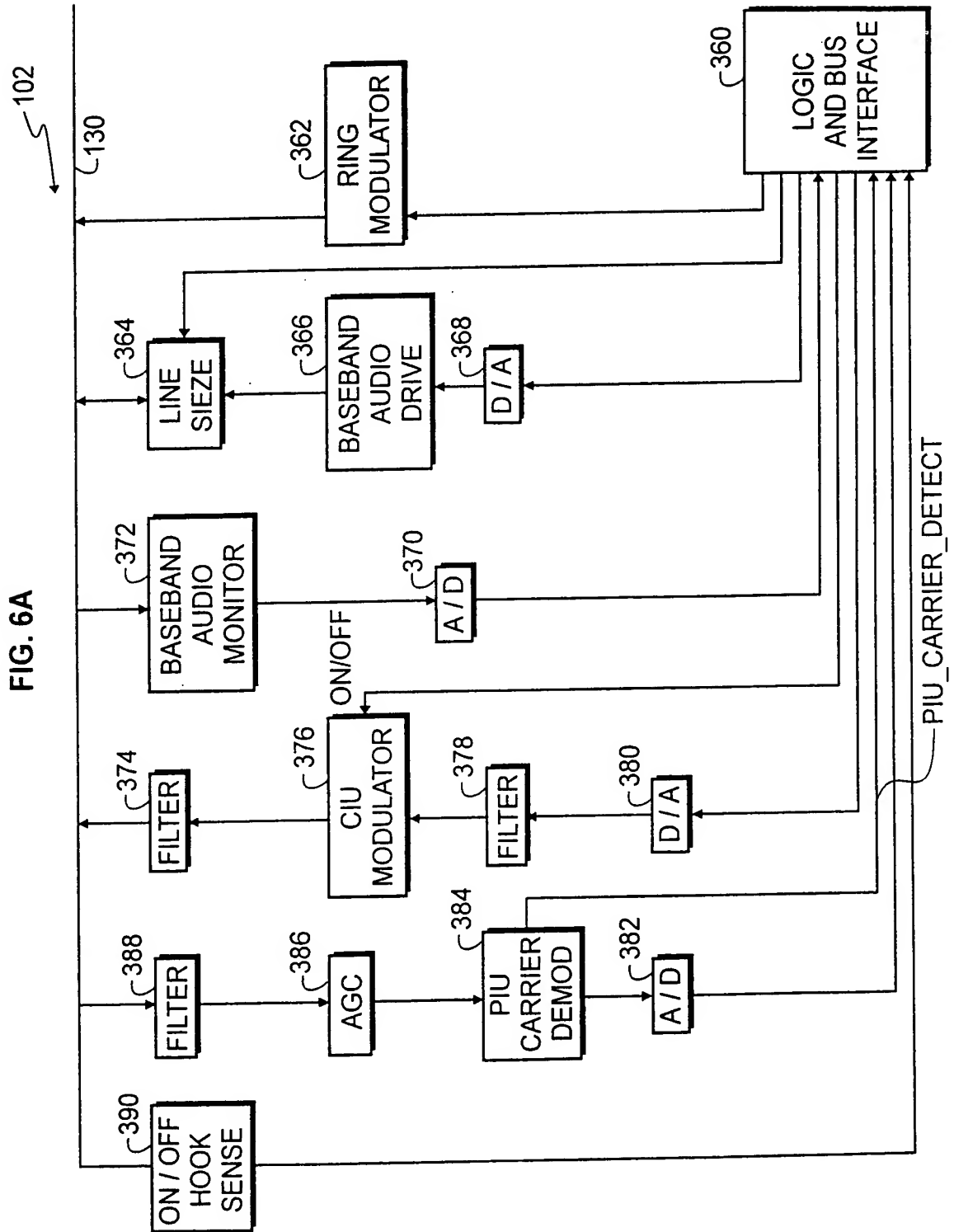


FIG. 5B

FIG. 6A



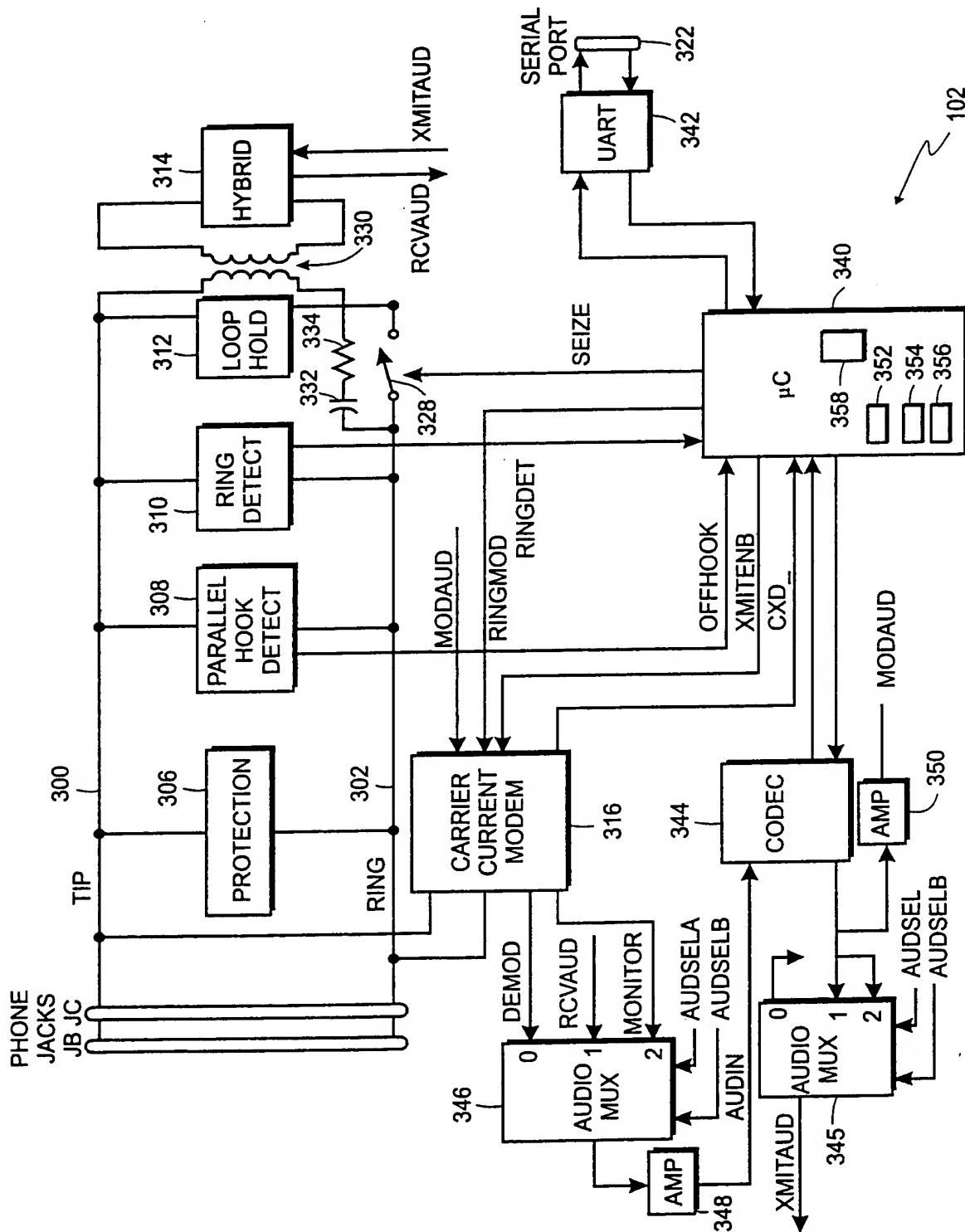


FIG. 6B

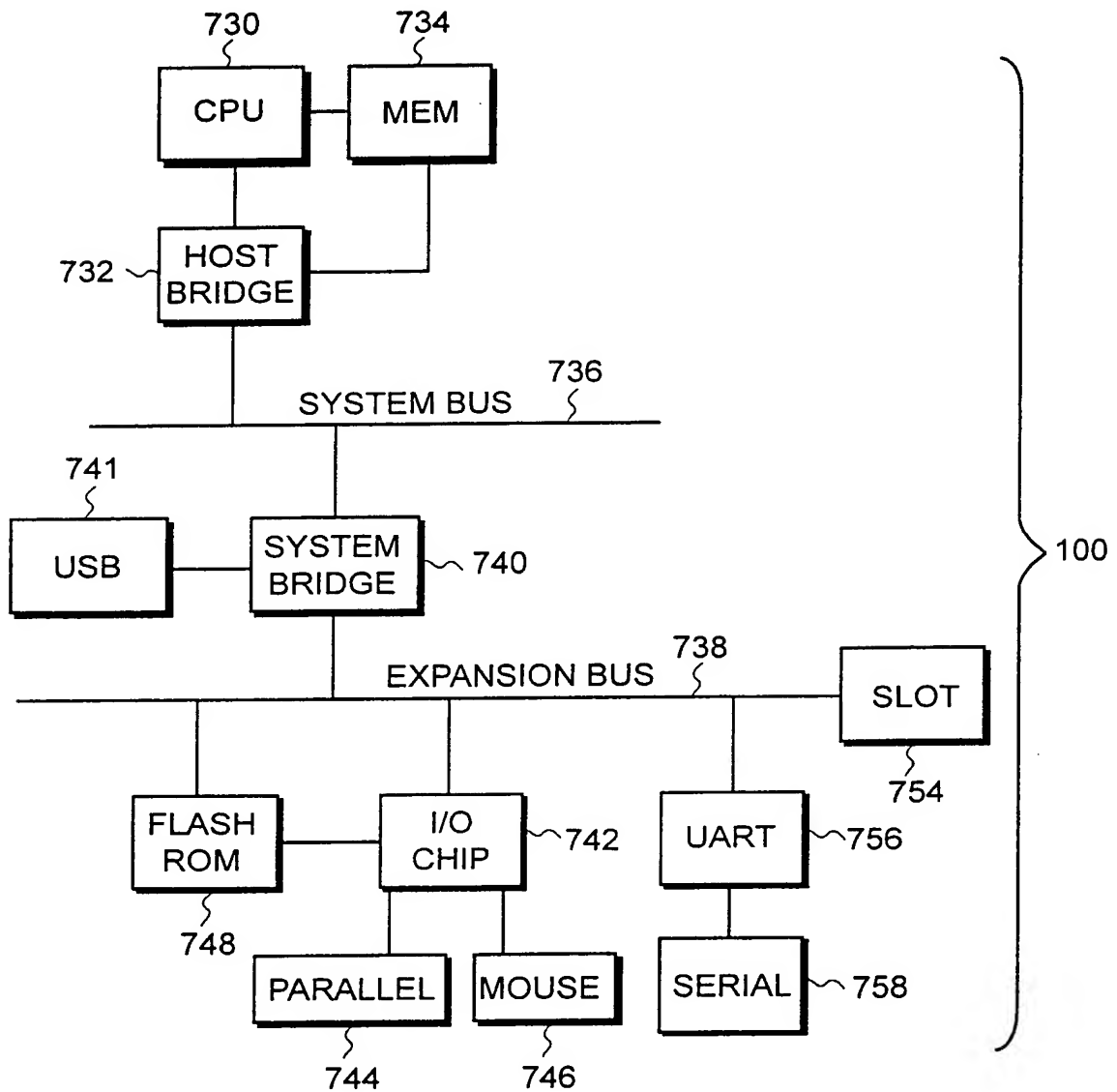


FIG. 7

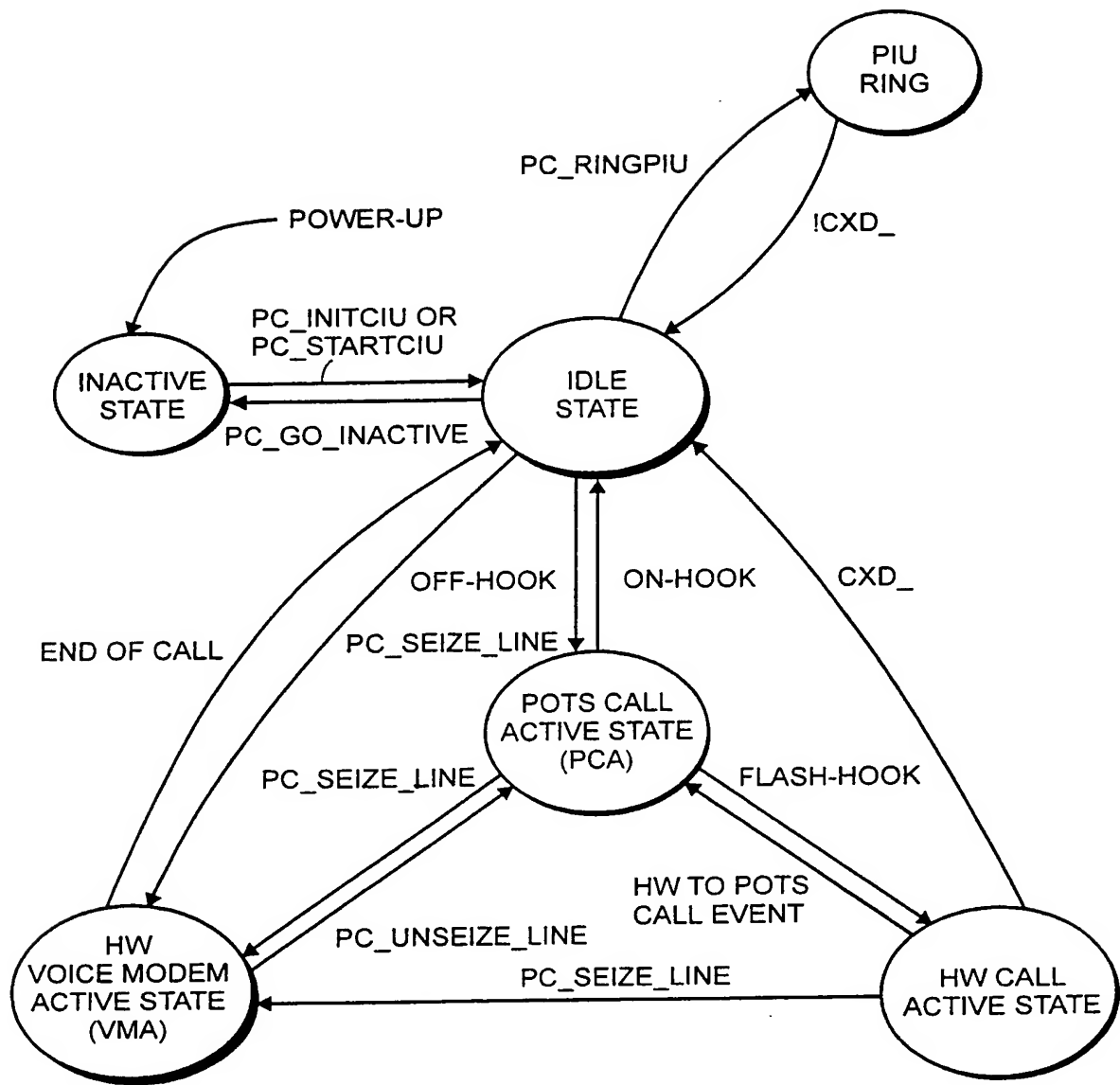


FIG. 8



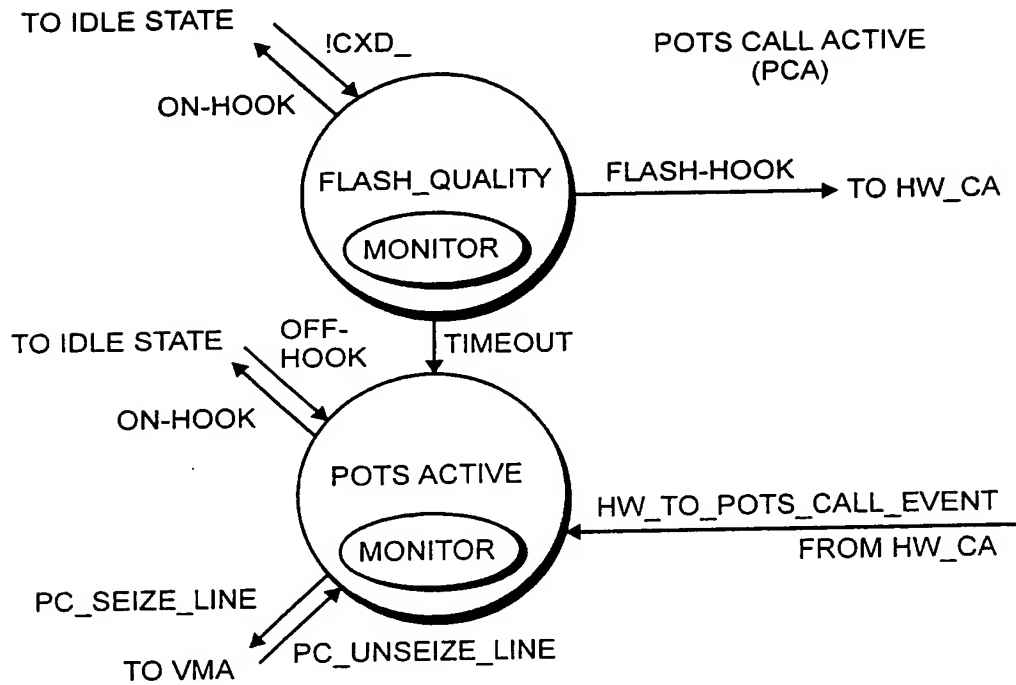


FIG. 9A

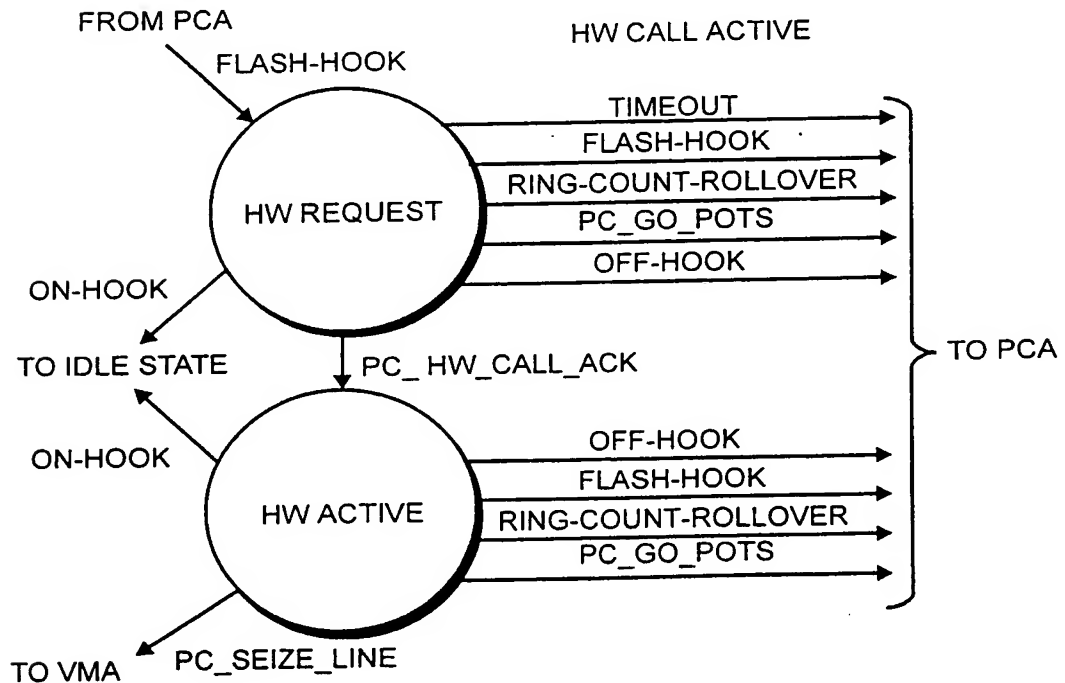


FIG. 9B

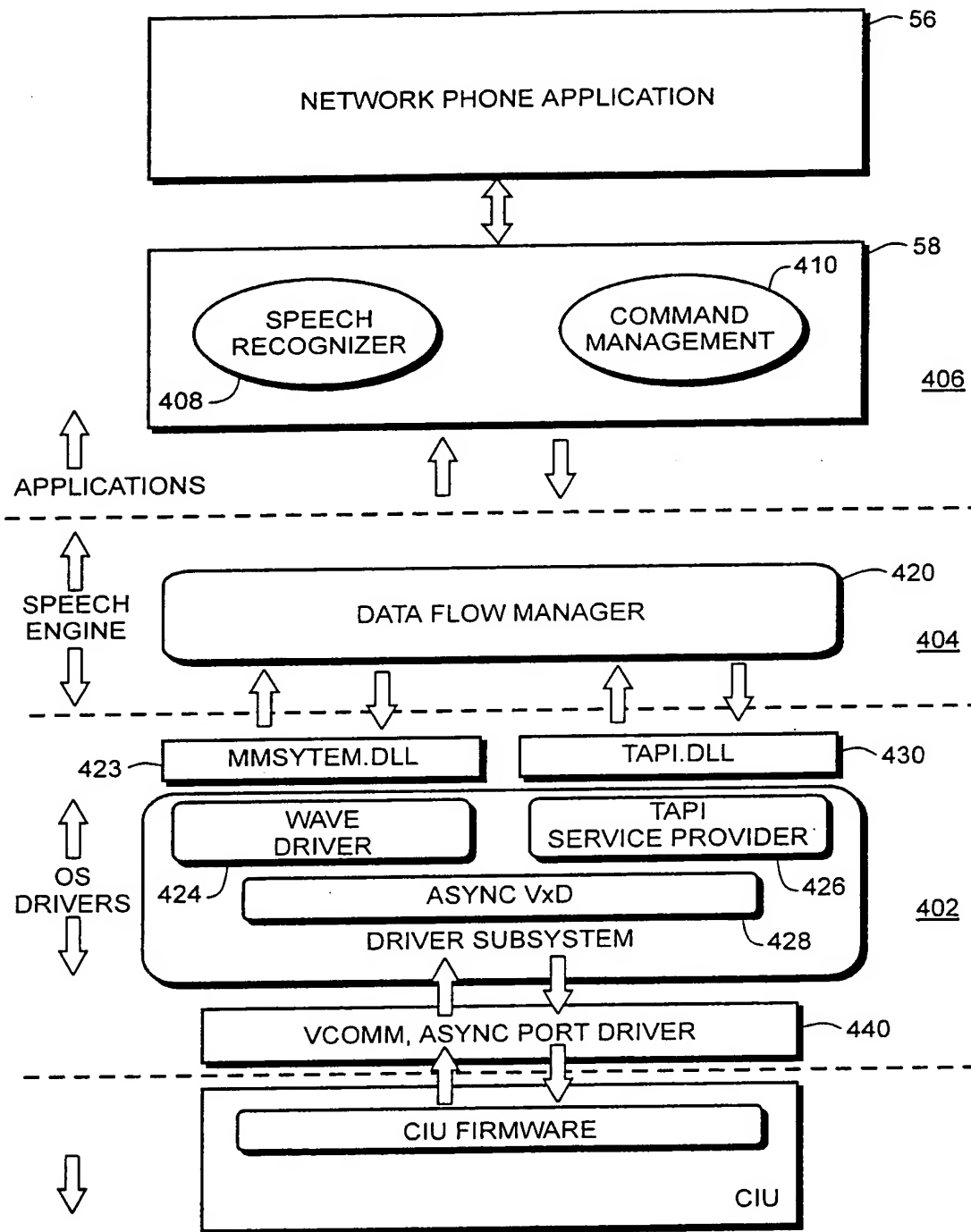


FIG. 10

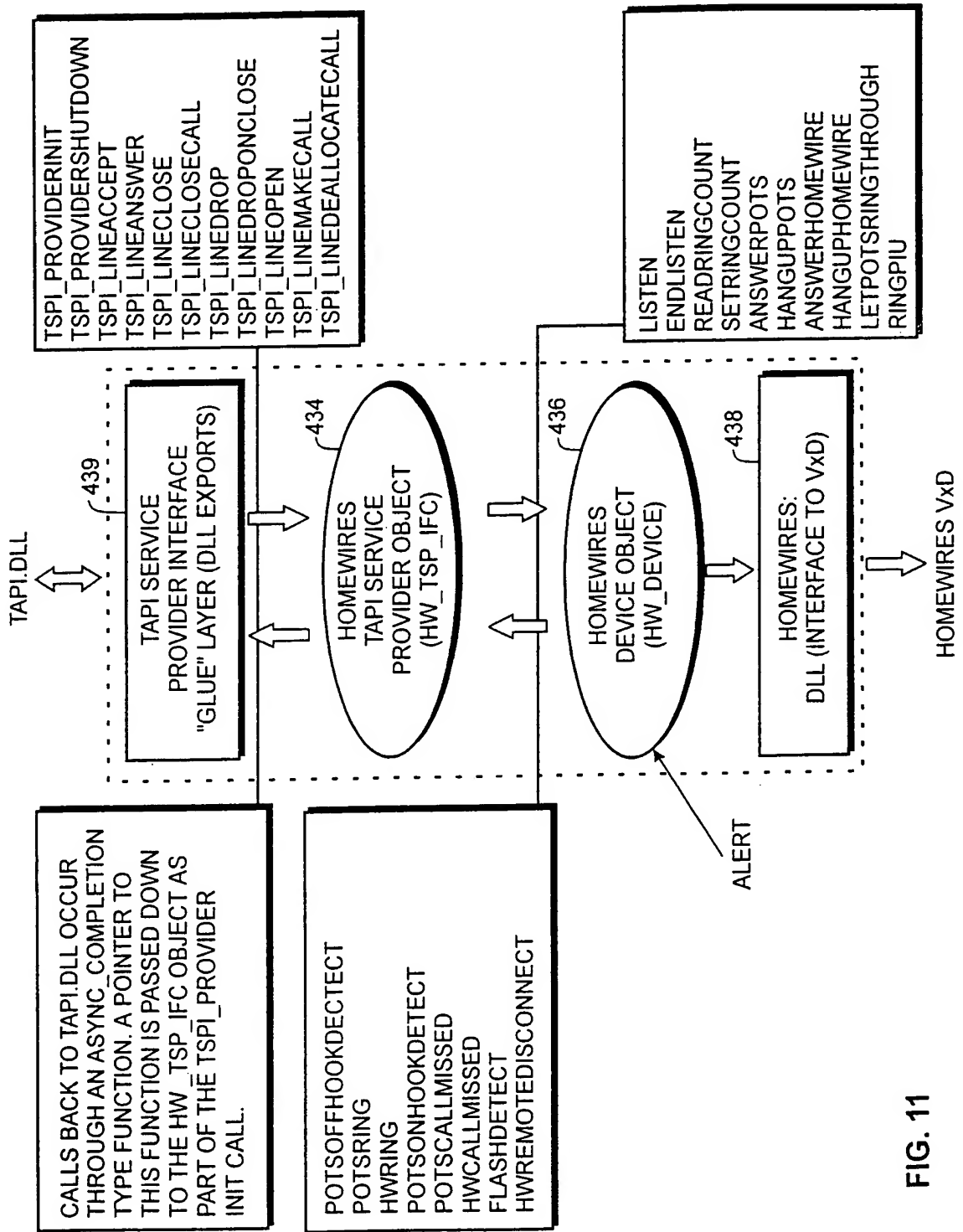


FIG. 11

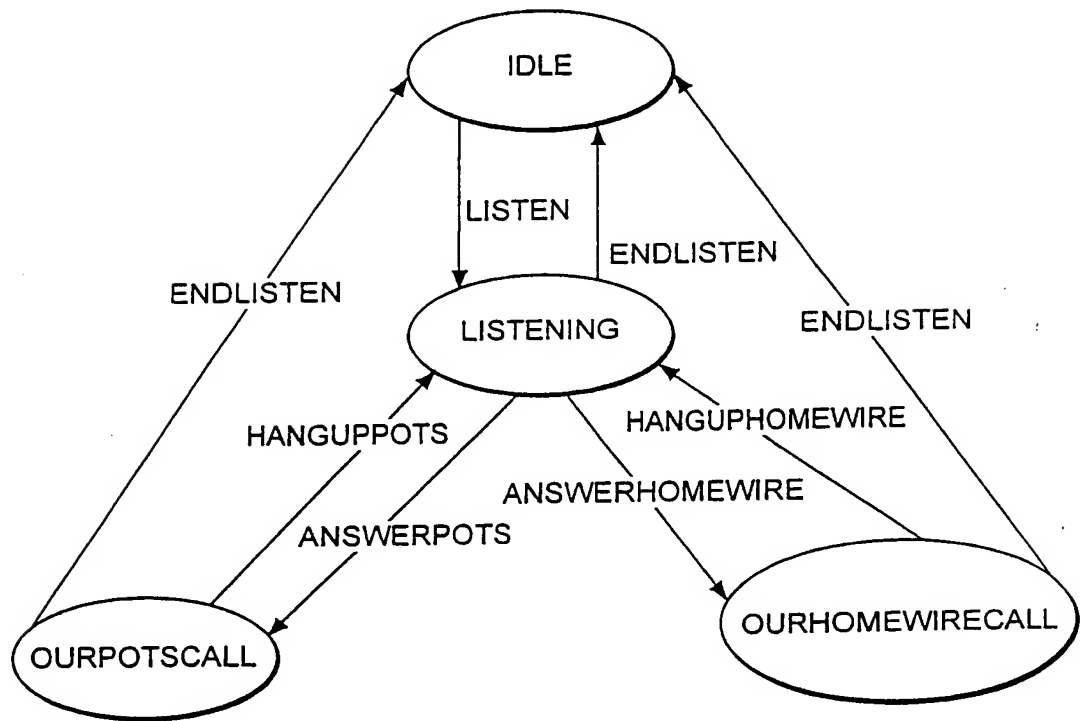


FIG. 12

MAIN LOOP FOR HW\_DEVICE HIDDEN WINDOW

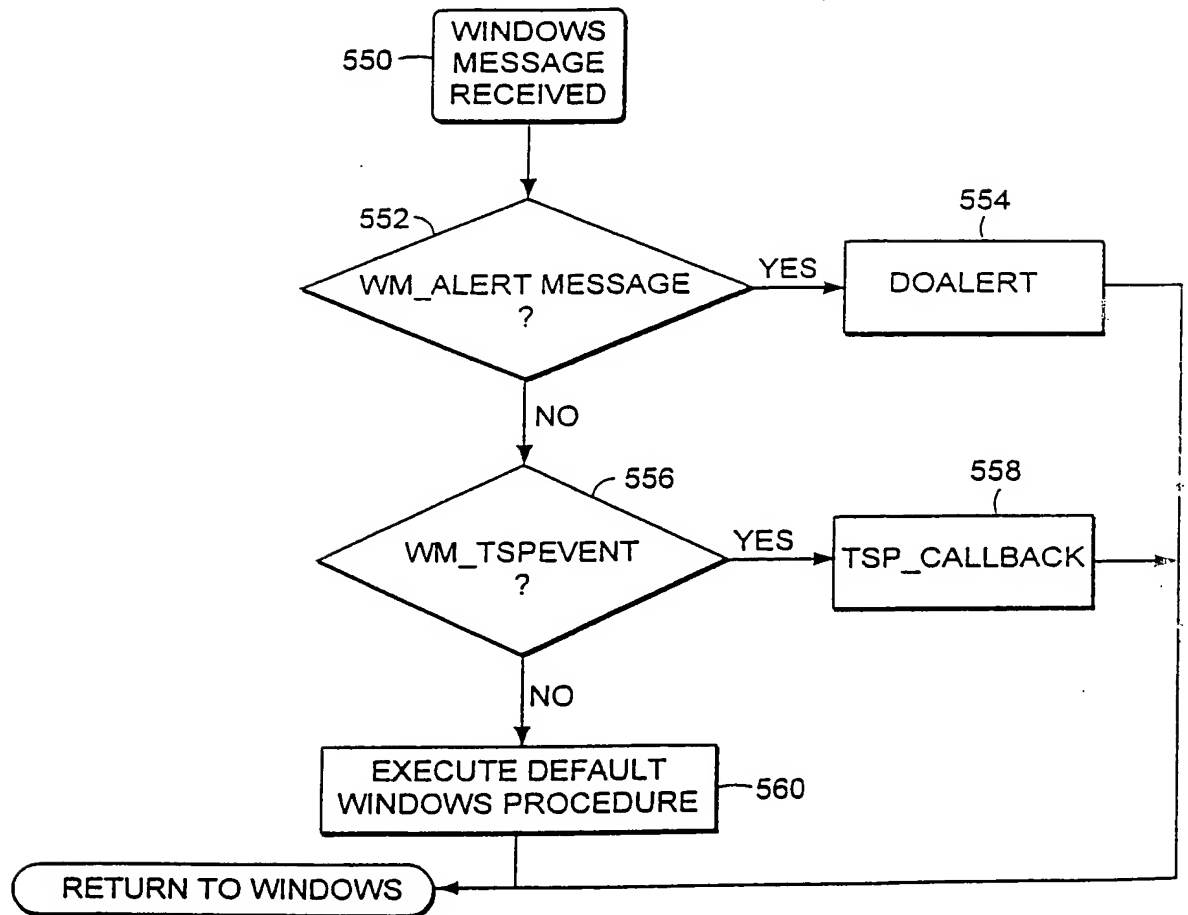


FIG. 13

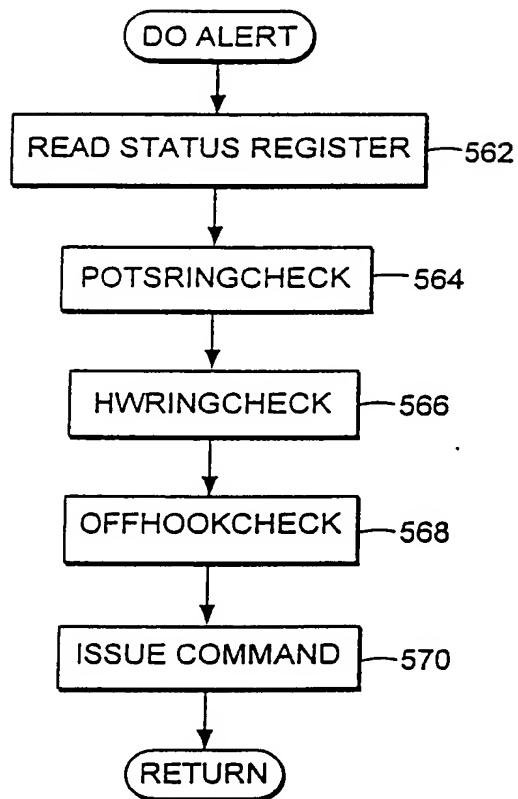


FIG. 14

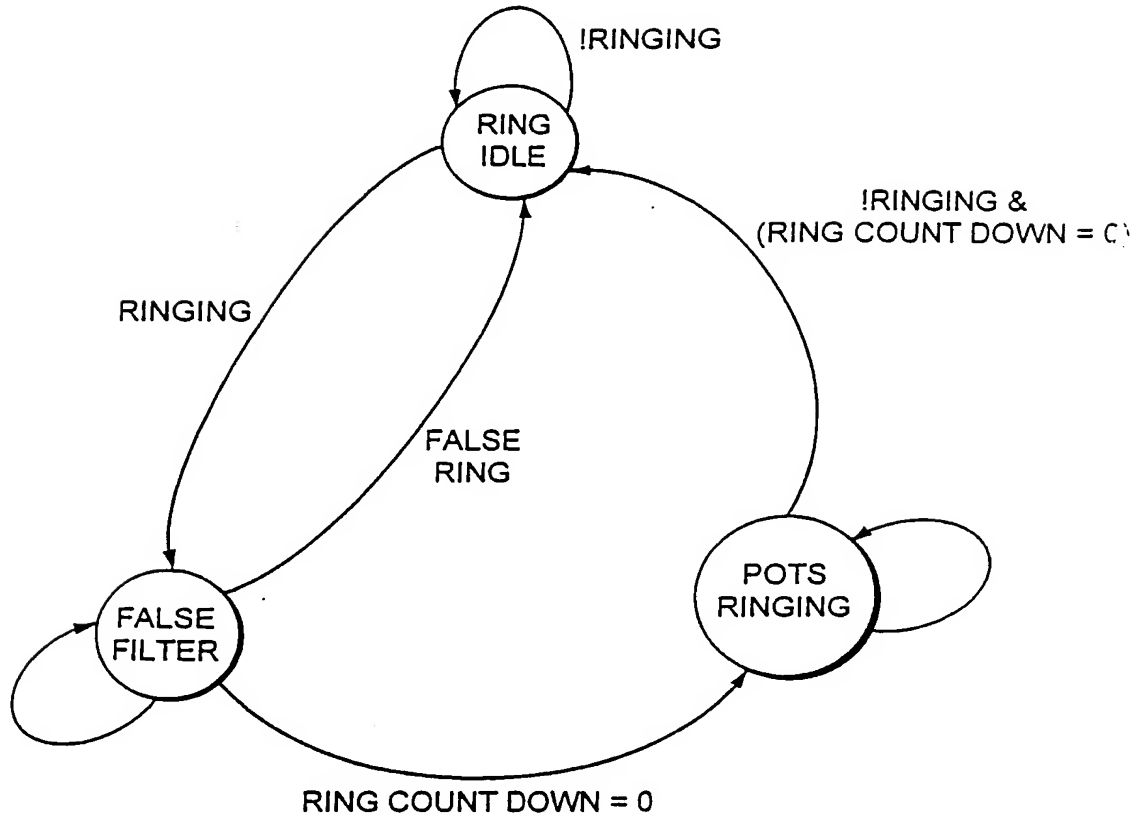


FIG. 15

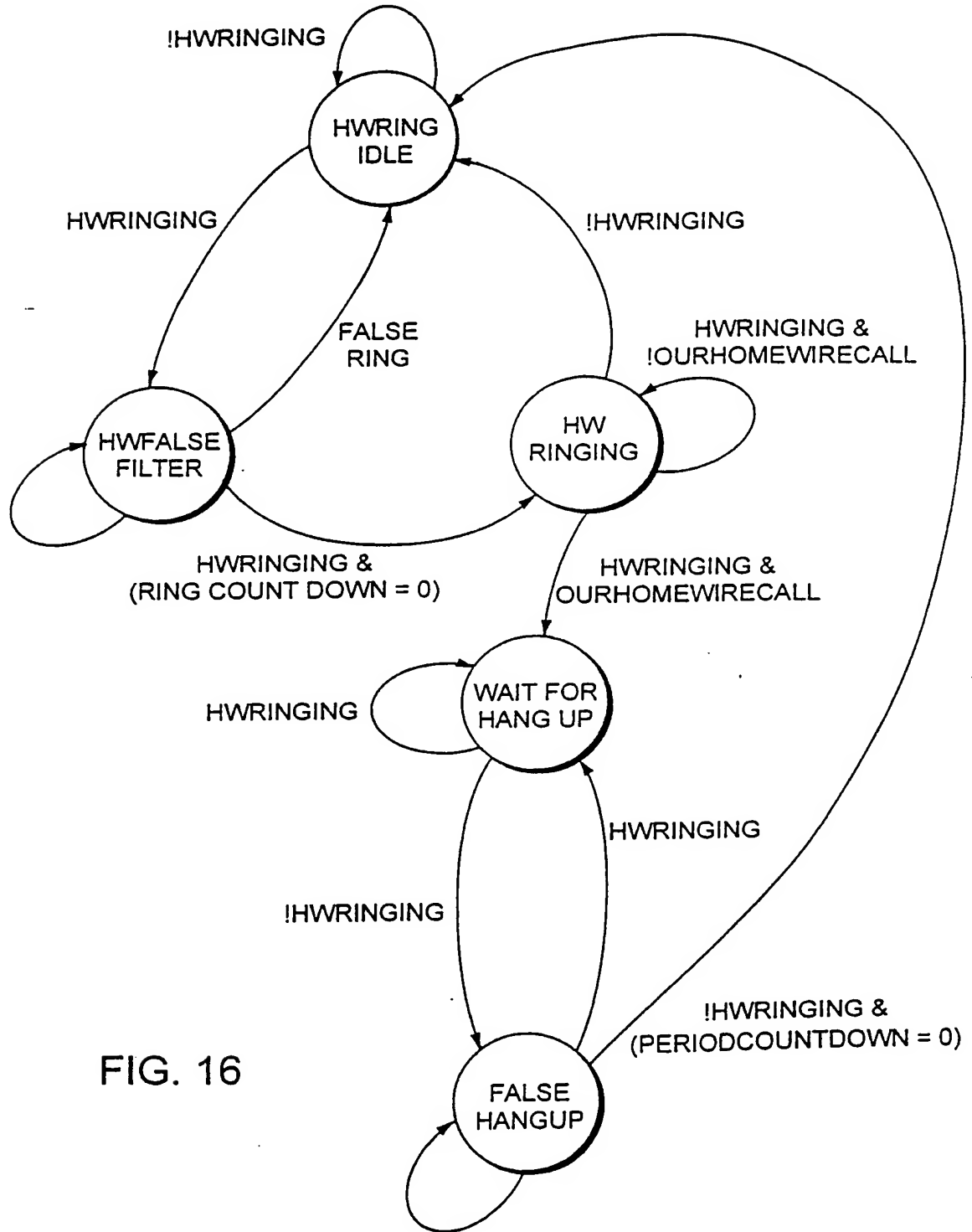


FIG. 16



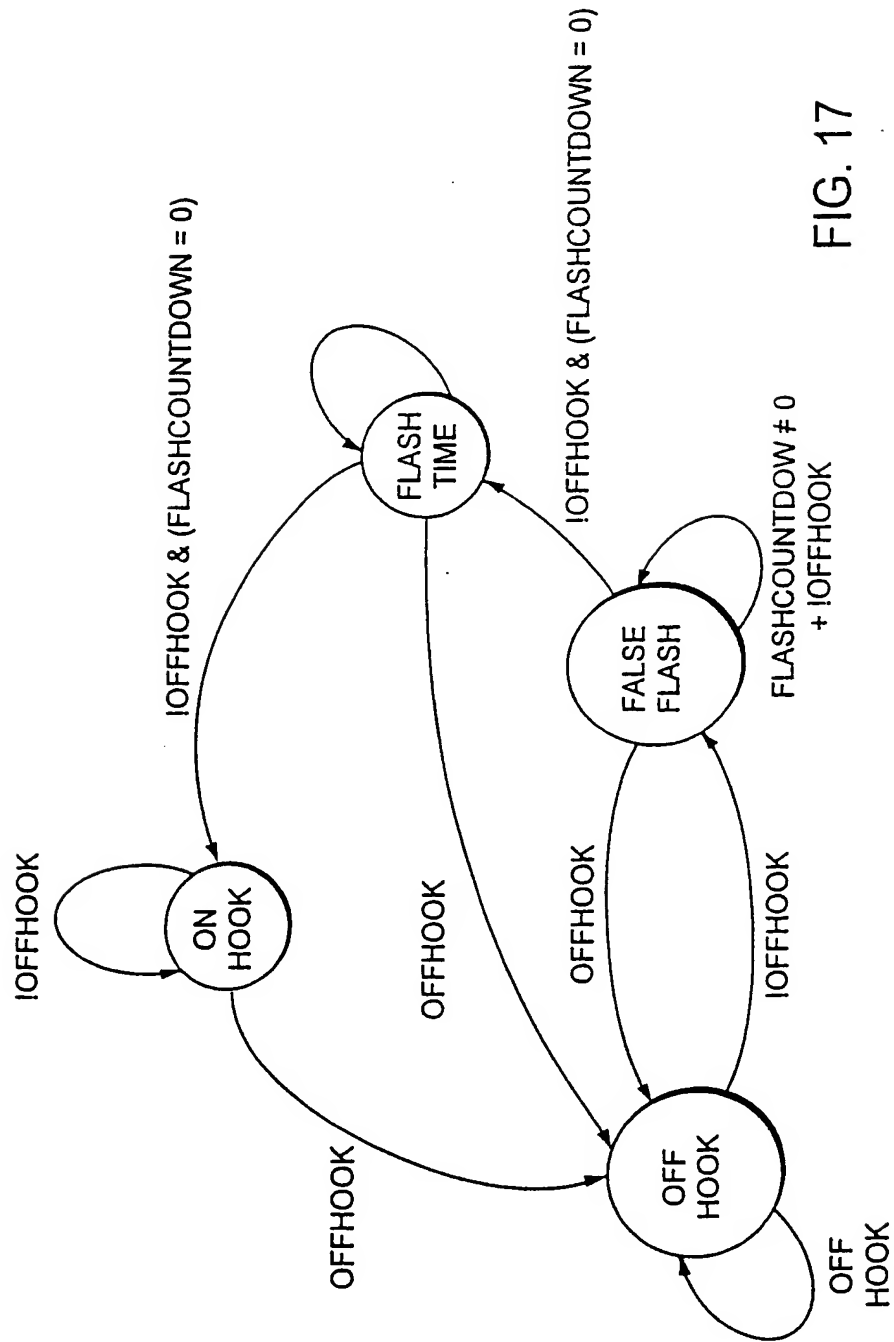


FIG. 17

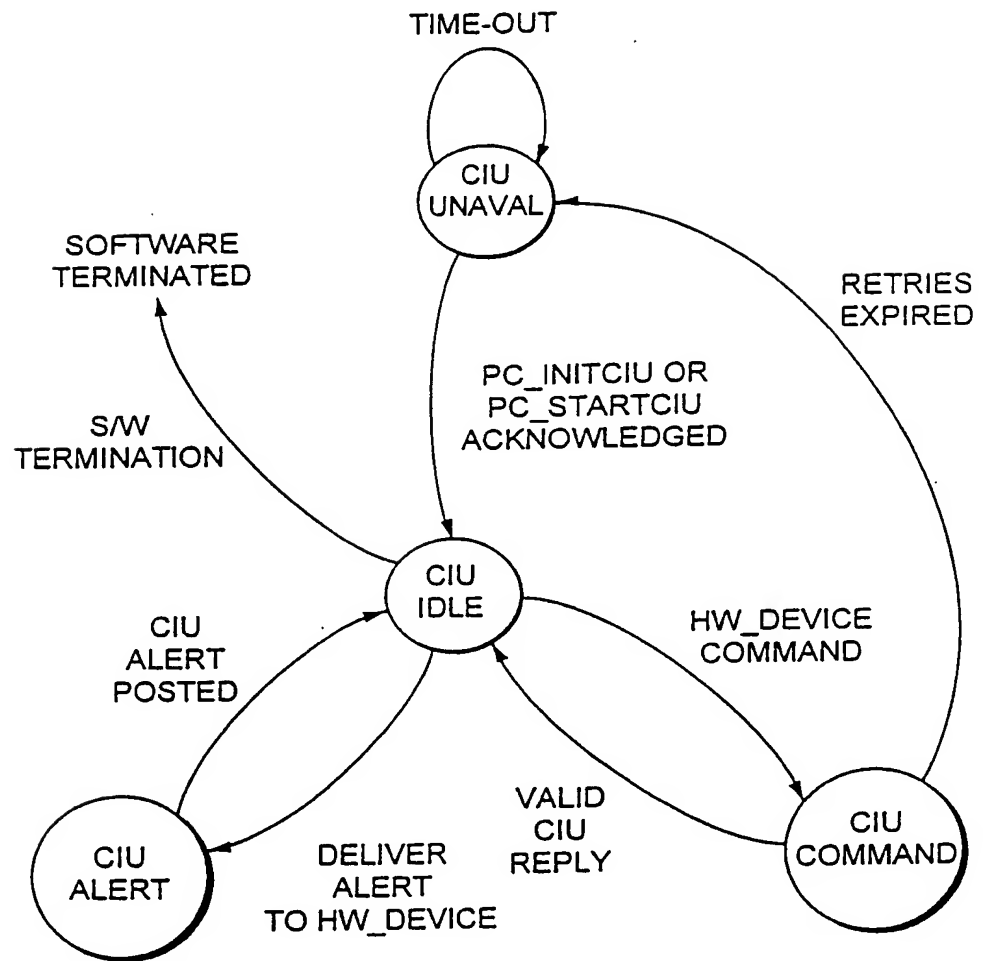


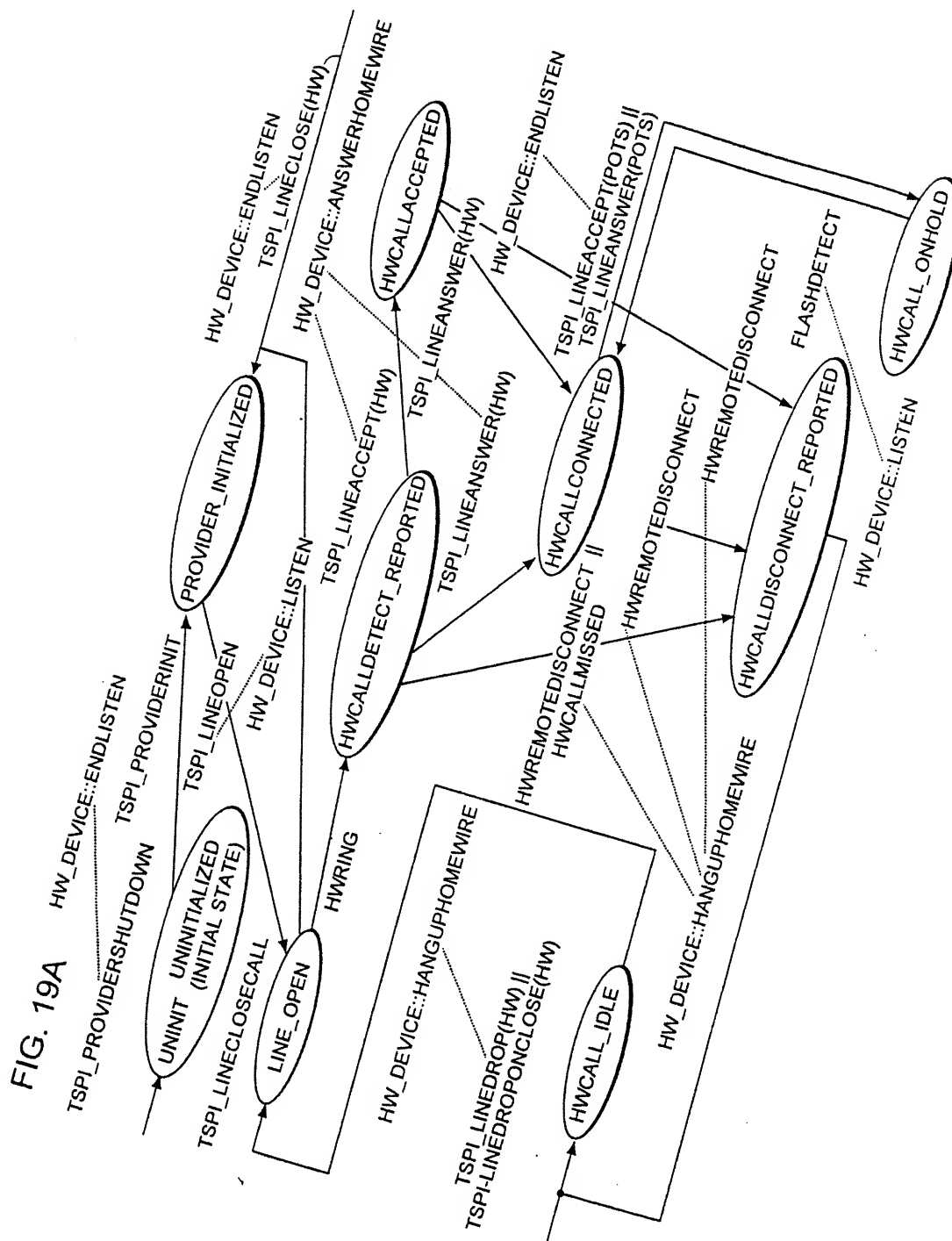
FIG. 18A

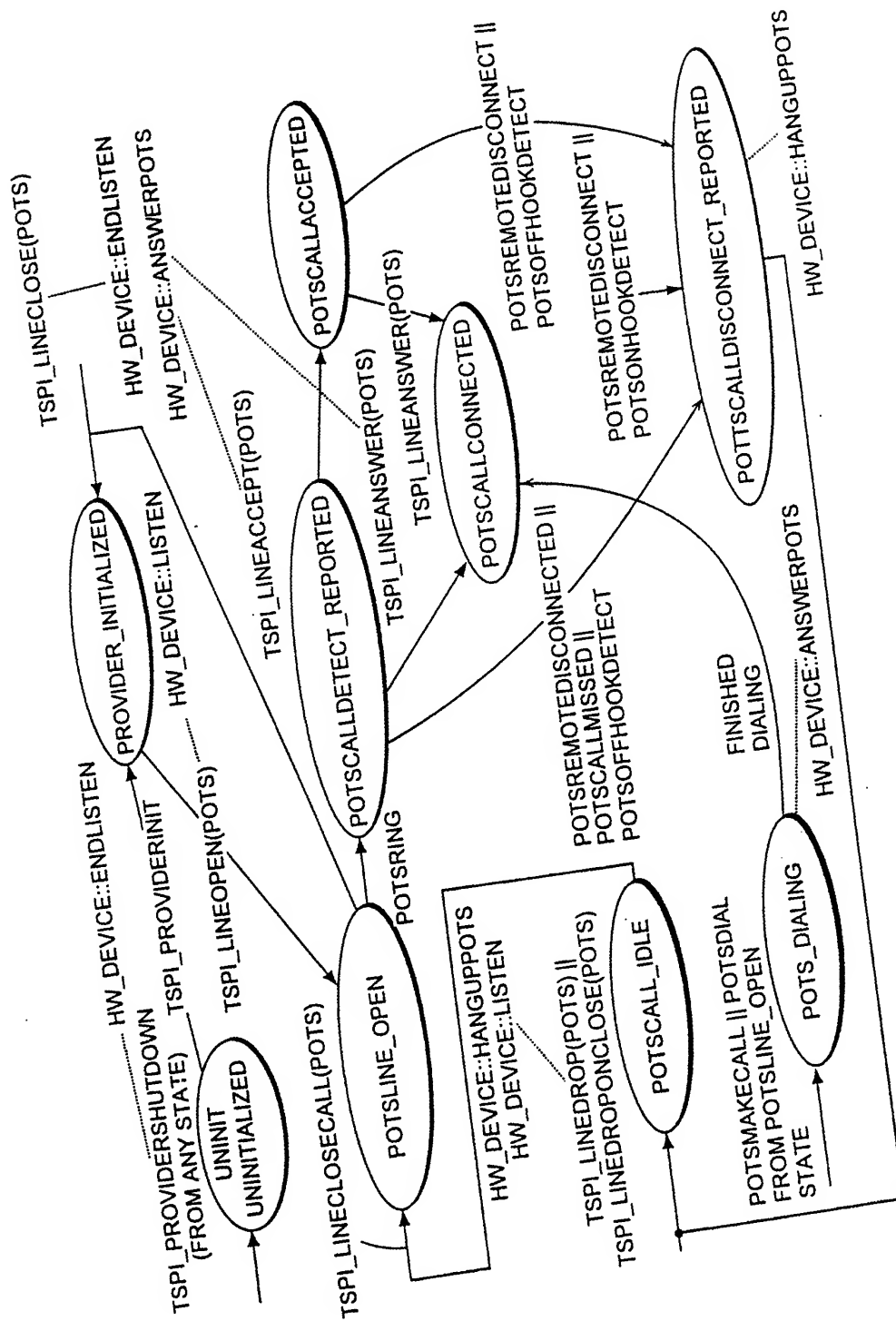
HW_DEVICE METHOD	CIU CONTROL COMMANDS	EXPECTED ACKNOWLEDGE MESSAGE
RINGPIU	PC_RINGPIU	CIU_STATUS
ANSWERPOTS	PC_SEIZELINE	CIU_STATUS
HANGUPPOTS	PC_UNSEIZELINE	CIU_STATUS
ANSWERHOMEWIRE	PC_HWCALLACK	CIU_STATUS
HANGUPHOMEWIRE	PC_DROPICIUCARRIER	CIU_STATUS
LISTEN	PC_SETMONITORMODE (ON)	CIU_STATUS
ENDLISTEN	PC_SETMONITORMODE (OFF)	CIU_STATUS
READRINGCOUNT	PC_GETRINGROLLOVER	CIU_RING_ROLLOVER_ CURRENT
SETRINGCOUNT	PC_SETRINGROLLOVER	CIU_STATUS

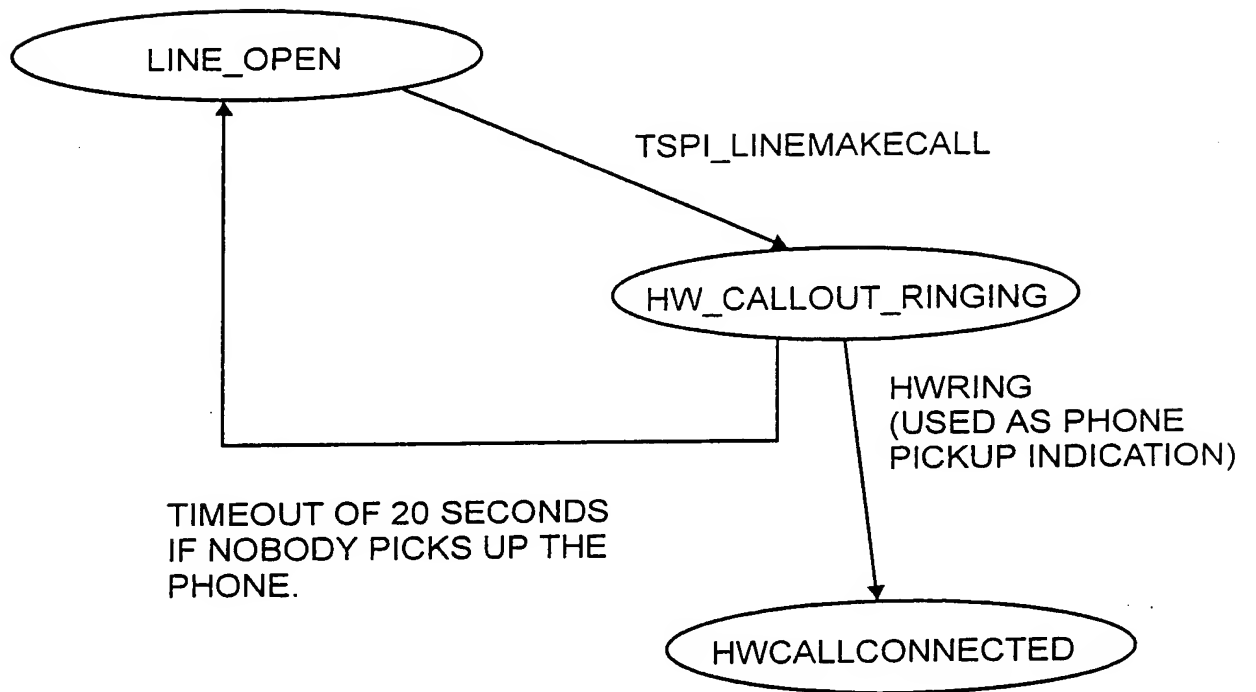
**FIG. 18B**

ALERT/STATUS REPORTED BY CIU	NOTIFICATION FROM HW_DEVICE OBJECT TO TSP
CIU_STATUS (PIU_CARRIER_DETECTED)	HWRING
CIU-STATUS (NOT PIU_CARRIER_DETECTED)	HWCALLMISSED I HWREMOTEDISCONNECT I FLASHDETECT
CIU_STATUS (OFF-HOOK DETECTED)	POTSOFFHOOKDETECT
CIU_STATUS (NOT PARALLEL OFF-HOOK DETECT)	POTSONHOOKDETECT & HWREMOTEDISCONNECT
CIU_ALERT_INFO (RING AVAILABLE)	POTSRING (ALSO ISSUE PC_CLEAR_RING_TRIGGER)
CIU_ALERT_INFO (STATUS CHANGED)	NONE (ISSUE PC_GET_STATUS AND USE STATUS INFORMATION CIU_STATUS)

FIG. 18C







**FIG. 19C**

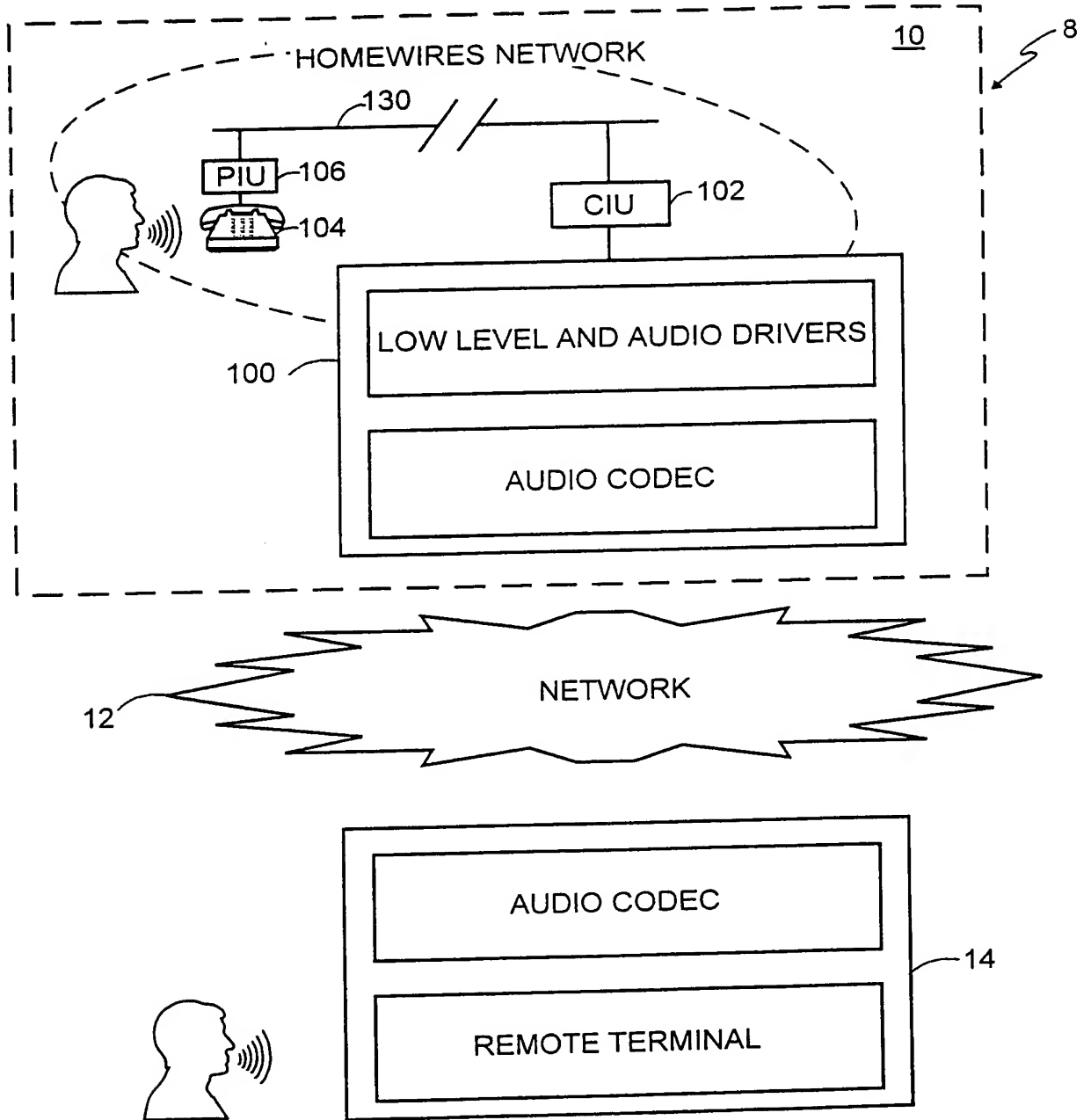
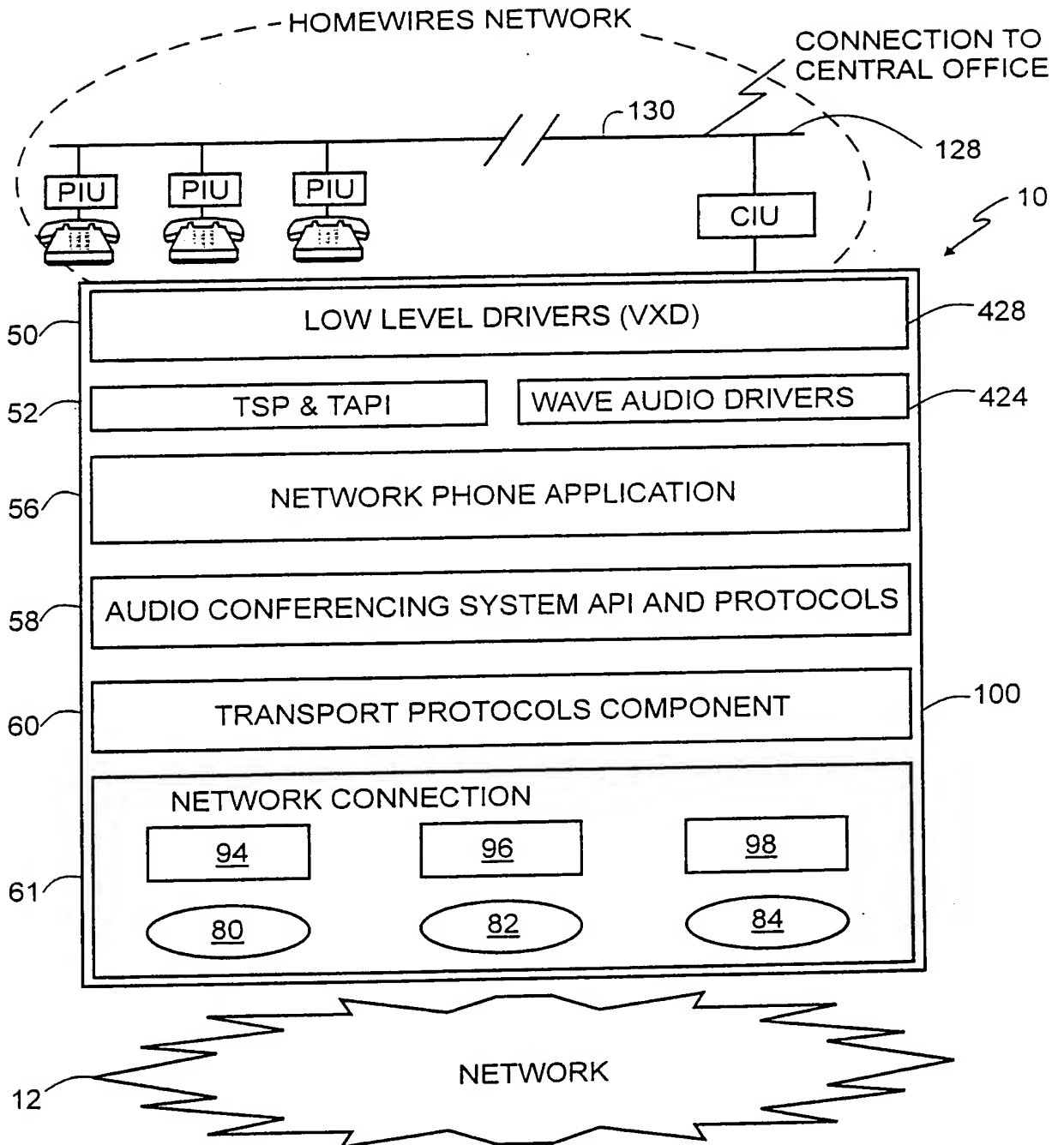


FIG. 20





**FIG. 21**

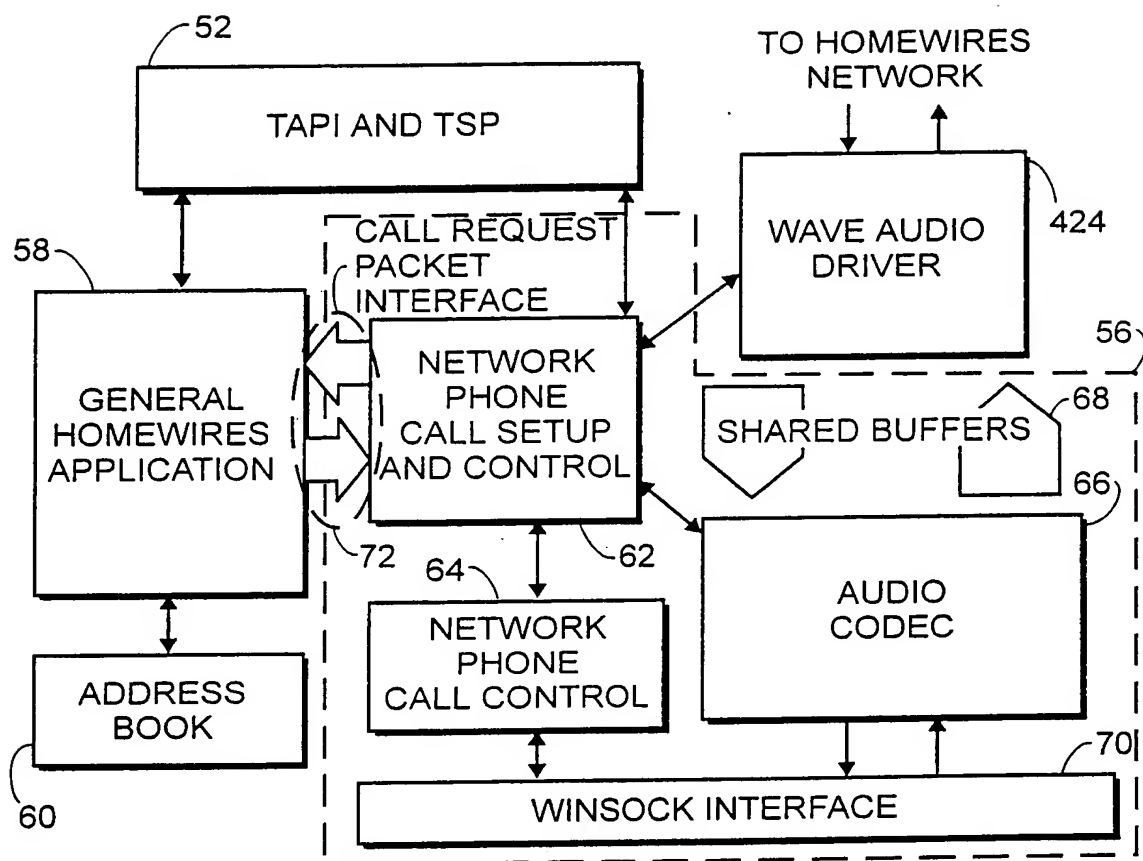


FIG. 22

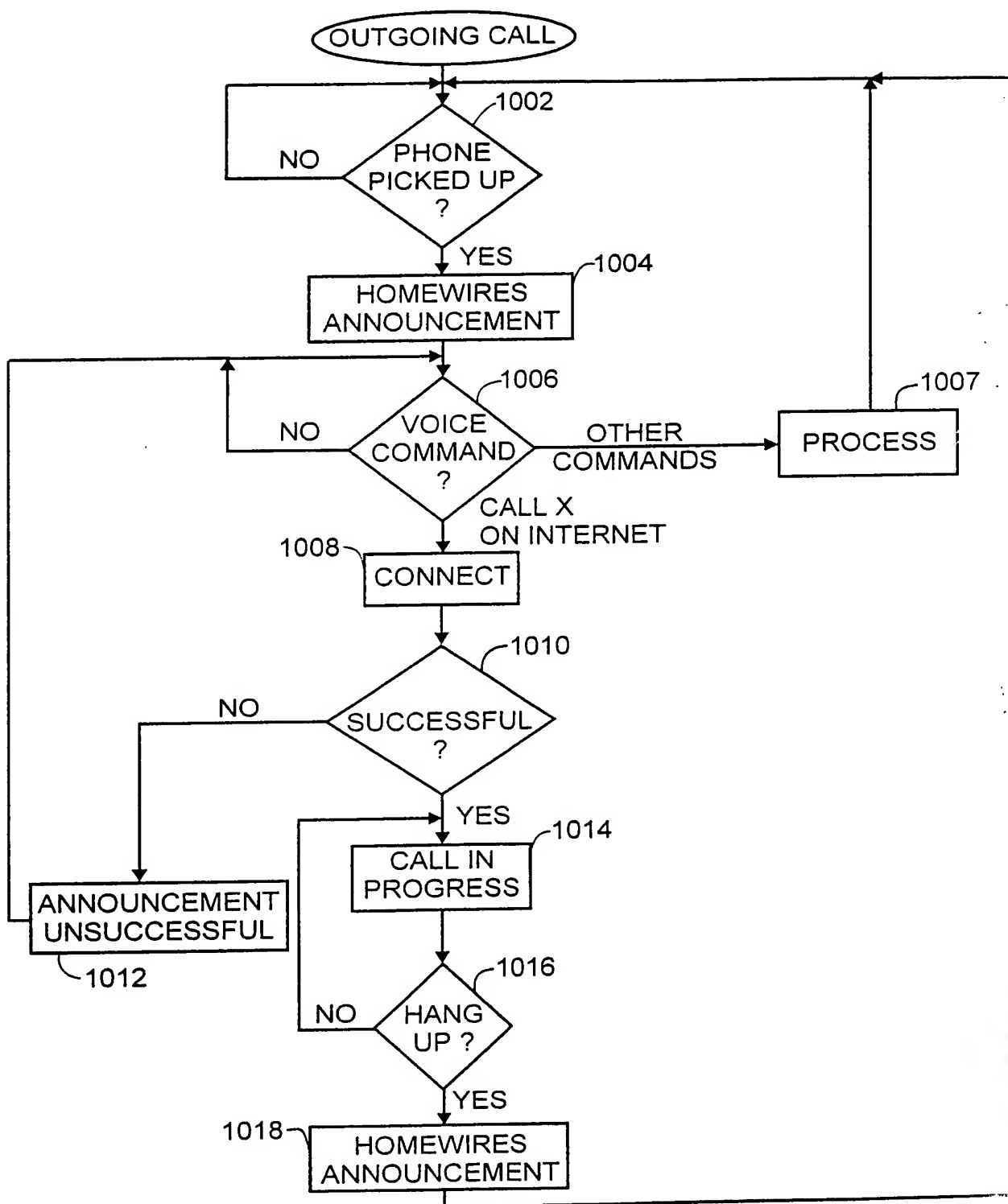


FIG. 23A

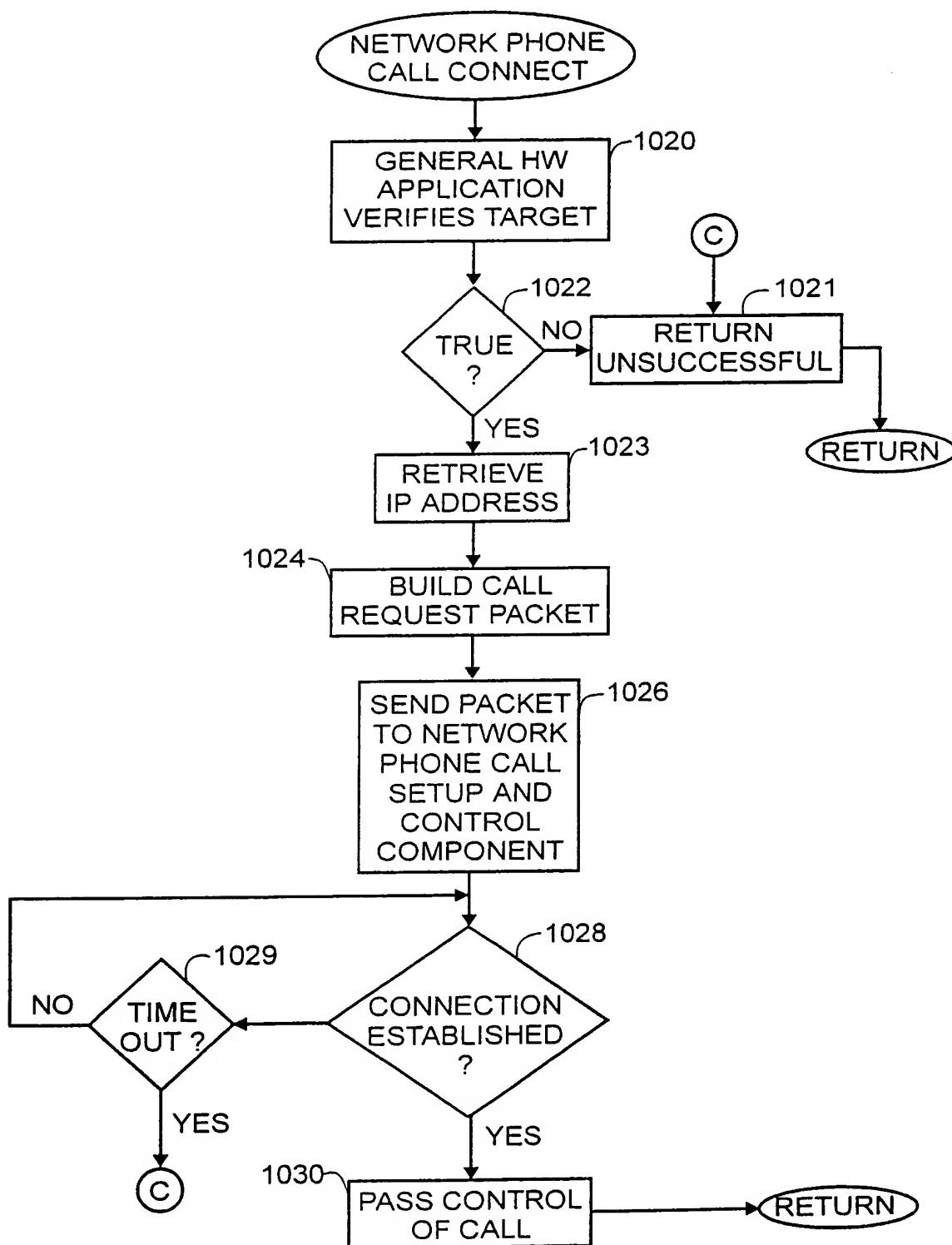


FIG. 23B

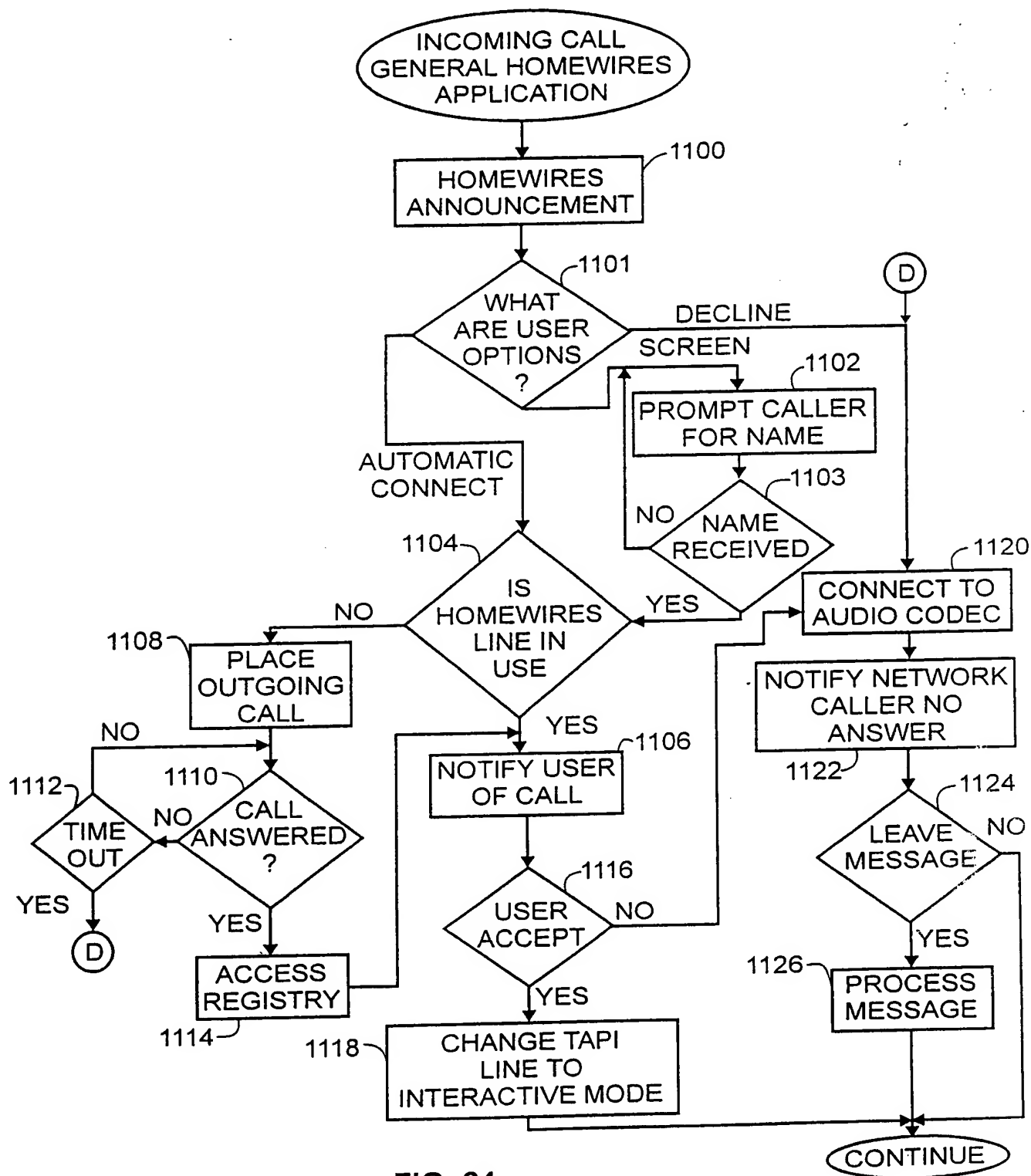


FIG. 24

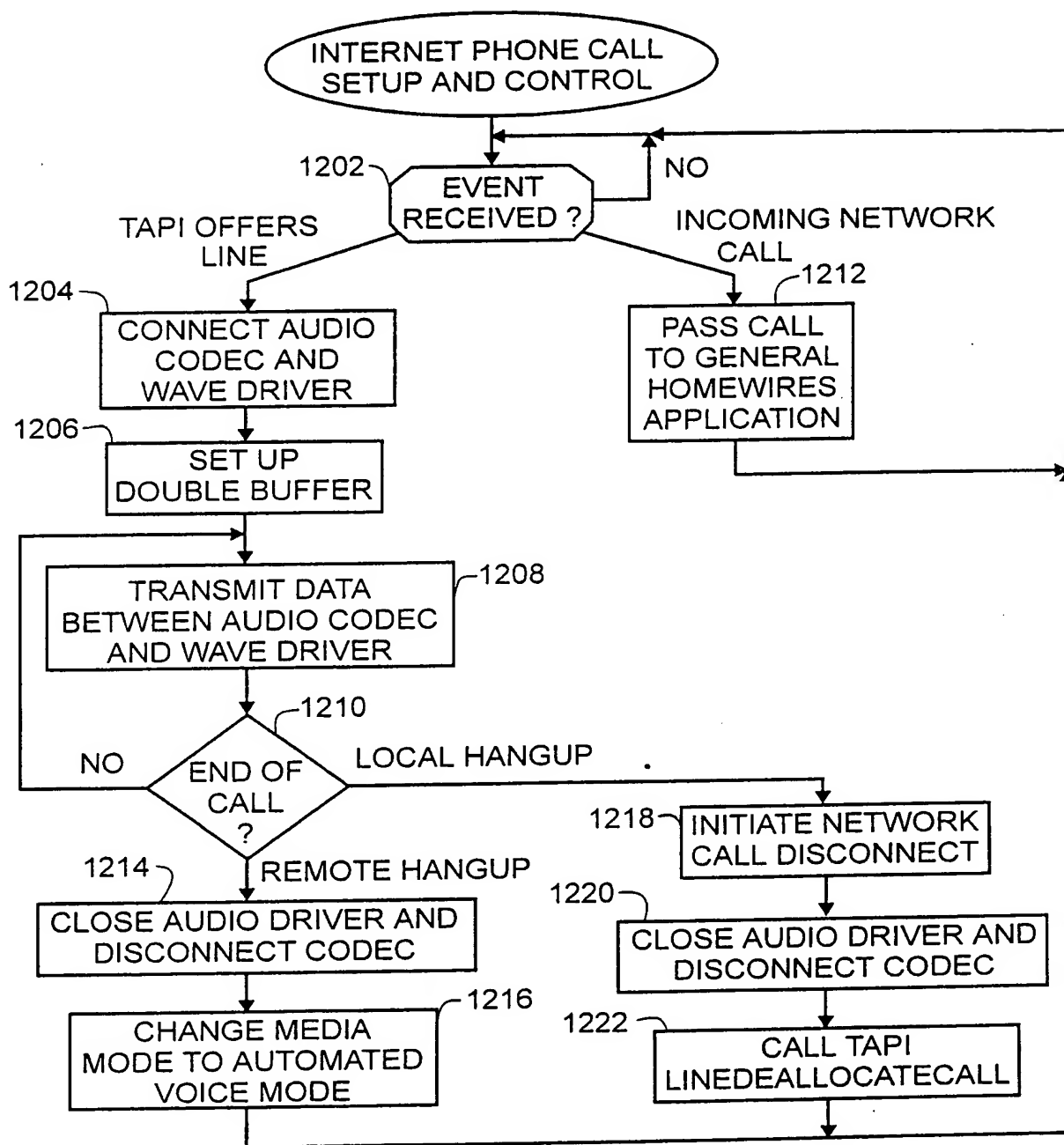


FIG. 25